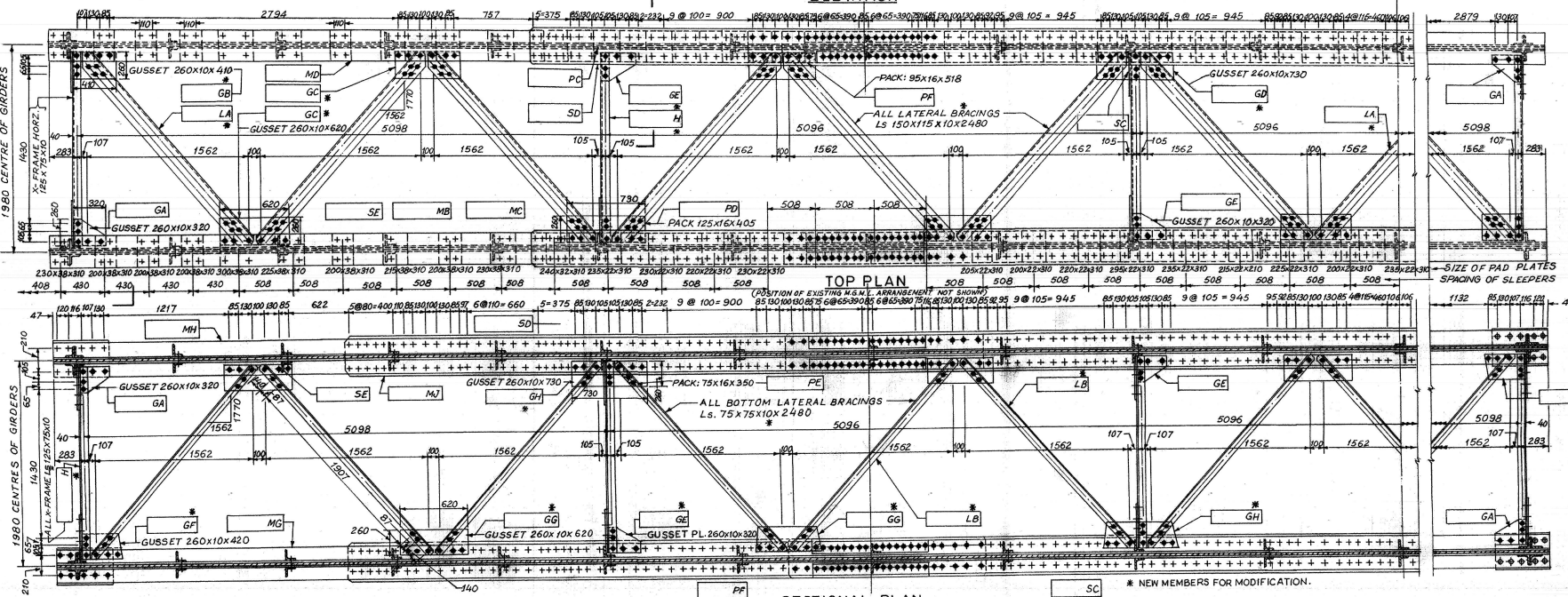
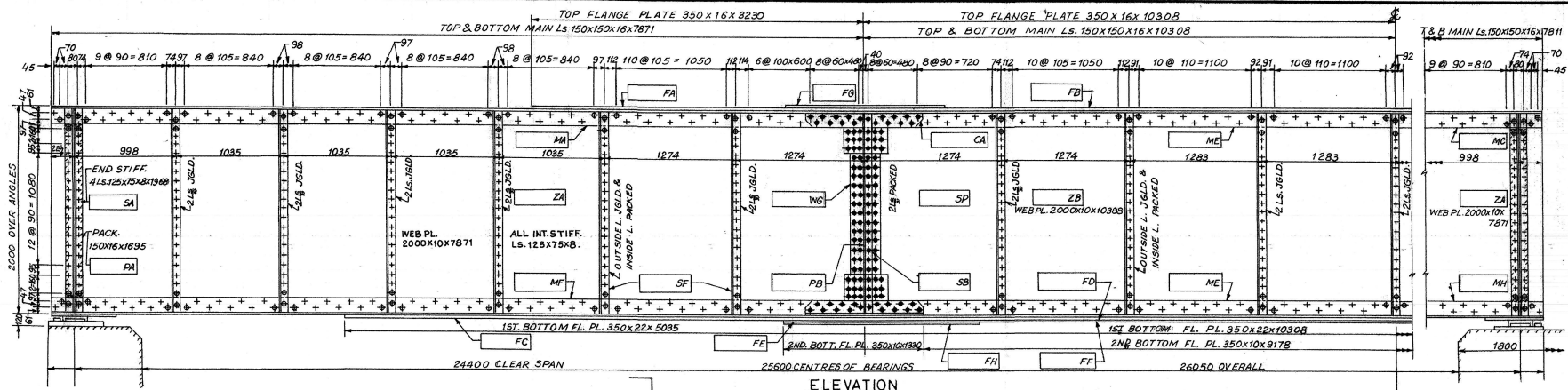




ALL RIVETS ARE 22 DIA IN 23.5 DIA HOLES.

DESCRIPTION	RIVETS	SHOP FIELD
SNAP HEAD	●	●
C.S.K. ON FAR SIDE	●	●
C.S.K. ON NEAR SIDE	●	●
C.S.K. ON BOTH SIDES	●	●
ANCHOR BOLTS	●	●
TURNED BOLTS	●	●

- THE GIRDER SHOULD BE SAFE WITH LOSS IN SECTION DUE TO CORROSION IF ANY.
- ALL LOOSE RIVETS OF EXISTING GIRDER SHOULD BE REDONE.
- BED PLATES ARE DESIGNED FOR RC BED BLOCKS WITH 42-23 CM² PERMISSIBLE PRESSURE.
- THIS DESIGN IS SUITABLE FOR BOXN & SINGLE/DOUBLE WDM₂ & BOXN (20.32t AXLE LOAD) OR EQUIVALENT TRAILING LOAD.
- THE LENGTH & SECTION OF LATERAL BRACING & CROSS FRAME MEMBERS ARE INCREASED TO SUIT B.G. TRACK, GUSSET SIZE AND SHAPE SUITABLY REVISED.
- THIS DRAWING IS PREPARED BASED ON BA-11025 FORMS & BY INCREASING THE CENTRE TO CENTRE DISTANCE OF GIRDERS TO SUIT B.G. TRACK.
- ALL DIMENSIONS ARE IN MILLIMETRES.

* NEW MEMBERS FOR MODIFICATION

STEEL FOR NEW MEMBER SHOULD CONFORM TO GR 'A' OF IS: 2062 - 1980 OR IS: 226 - 1975
IRS: B1
IRS: BRIDGE RULES-1964 UPTO A & C SLIP NB 20
IRS: STEEL BRIDGE CODE-1962 WITH A & C SLIP UPTO 13

NOTE

SPECIFICATION

DESCRIPTION	DRG. NO.
X-FRAME & JOINT	11025B-11025C
ASSEMBLY DRG.	11025B-11025C
SHIPPING & PART LIST	11025B-11025C

MILLIMETRES

100 200 400 600 800
1:20

WEIGHT OF SPAN IN TONNES			
SPAN	BED CATES	TOTAL	INC. SURF. MTR. 10
3034	0.44	3078	0.409

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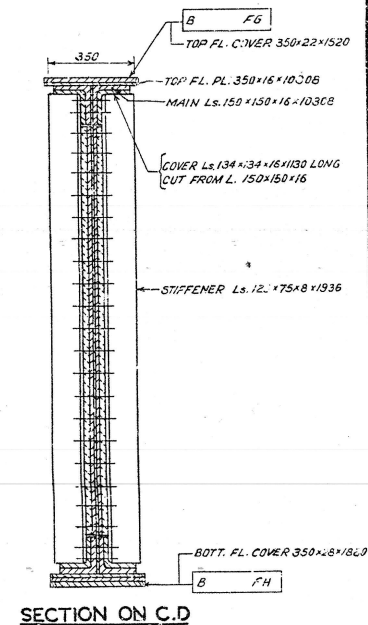
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R. D. S. O.

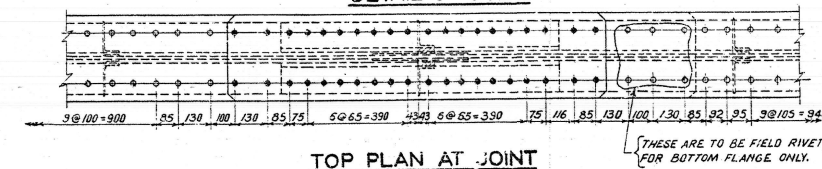
MODIFICATION TO MGML GIRDER TO DRG NO BA-11025 FOR RUNNING OF SINGLE/DOUBLE WDM₂ WITH BOXN WAGONS UPTO 100 KMPH
24.4 m CLEAR SPAN
GENERAL ARRANGMENT

18-5-1992

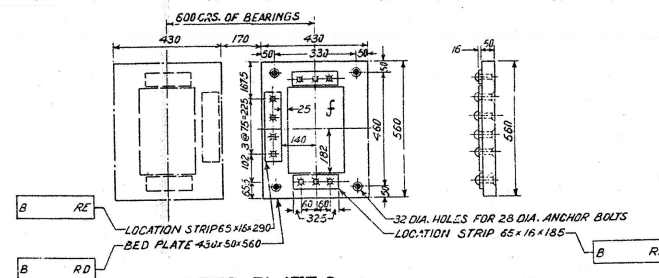
RDSO/B-1642



SECTION ON C.D



TOP PLAN AT JOINT



BED PLATES

BEARING PLATE

ALL RIVETS ARE 22 DIA. IN 23.5 DIA. HOLES EXCEPT FOR
LOCATION STRIPS WHICH ARE 20 DIA. IN 21.5 DIA. HOLES.

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. THE BED PLATE HAS BEEN DESIGNED FOR R.C BED BLOCK WITH PERMISSIBLE PRESSURE OF 42.2 Kg/cm^2

NOTE

I. R. S. B1-62
SPECIFICAT

MILLIMETRES

SCALE

ALT.	DESCRIPTION
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DATE

R. D. S. O.

MODIFICATION TO MGML GIRDER TO DRG. NO. BA-11025
FOR RUNNING OF SINGLE/DOUBLE WDM₂
WITH BOXN WAGONS UPTO 100 KMPH
24.4 m CLEAR SPAN
X-FRAME AND JOINT

22 - 5 - 1992

RDSO/B-1642/1

ALLICATIONS REGISTER NO. 1000	DRAWN BY: P. J. [Signature]	TRACED BY: [Signature]
CHECKED BY: [Signature]	CHECKED BY: [Signature]	CHECKED BY: [Signature]

T.R. Srinivasan
ADE/B&S/SS-V JDS/B&S/SA-II

Approved by DS/B&S on 13/7/92
vide n/p 100 file CBS/DPG/1.

PART LIST

N ^o REQD.	DESCRIPTION	PART OR TEMPLATE N ^o	N ^o REQD.	DESCRIPTION	PART OR TEMPLATE N ^o
4	WEB PLATES	B ZA	15	LATERALS BOTTOM	B LB
2	" "	B ZB	12	X-FRAME HORIZONTAL (TOP & BOTTOM)	B H
2	MAIN ANGLES (TOP)	B MA	12	X-FRAME DIAGONALS	B D
2	" " " "	B MB	4	LATERAL GUSSETS (T & B)	B GA
2	" " " "	B MC	2	" " (TOP)	B GB
2	" " " "	B MD	10	" " " "	B GC
8	" " (TOP & BOTTOM)	B ME	4	" " " "	B GD
2	" " (BOTTOM)	B MF	8	" " (TOP & BOTTOM)	B GE
2	" " " "	B MG	2	" " (BOTTOM)	B GF
2	" " " "	B MH	10	" " " "	B GH
2	" " " "	B MI	4	" " " "	B GI
4	FLANGE PLATES (TOP)	B FA	24	X-FRAME GUSSETS	B GJ
2	" " " "	B FB	6	" " (CENTRE)	B GK
4	ISE " " (BOTTOM)	B FC	8	STIFFENERS PACKINGS (END)	B PA
2	" " " "	B FD	8	" " (JOINT)	B PB
4	2ND " " "	B FE	8	" " (X-FRAME)	B PC
2	" " " "	B FF	4	PACKING TOP LATERALS	B PD
4	FLANGE COVERS (TOP)	B FG	4	" " BOTTOM "	B PE
4	" " (BOTTOM)	B FH	4	" " T & B LATERAL GUSSETS	B PF
8	WEB COVERS	B WC	4	STIFFENING PLATES	B RA
15	SPLICE PLATES	B SP	2	BEARING PLATES	B RB
15	COVER ANGLES	B CA	2	" " "	B RC
16	STIFFENERS PACKED (END)	B SA	4	BED PLATES	B RD
8	" " (JOINT)	B SB	4	LOCATION STRIPS	B RE
4	STIFFENERS PACKED & NOTCHED (X-FRAME)	B SC	8	" " "	B RF
4	" " " " " "	B SD	16	ANCHOR BOLTS	B OOB
4	" " JOGGLED & NOTCHED	B SE		HOOK BOLTS *	B OOB/M
64	STIFFENER JOGGLED	B SF			
15	LATERALS TOP	B LA			

★ IF FORMING PART OF CONTRACT.

SHIPPING LIST

Nº REQD.	DESCRIPTION		SIZE			SHIPPING MARK
			L	B	D	
2	GIRDERS COMPLETE		7 871	360	2 085	Z A
2	"	"	7 871	360	2 086	Z B
2	"	"	10 308	350	2 048	Z C
8	WEB COVERS		1 180	290	10	W C
16	SPLICE PLATES		410	260	10	S P
16	COR'ER ANGLES (T & B)		1 130	134	134	C A
4	FLANGE PLATES (BOTTOM)		1 330	350	10	F E
4	FLANGE COVER (TOP)	FLANGE COVER (BOTTOM)	1 520	350	22	F G
4			1 680	350	26	F H
8	STIFFENER PACKING		1 695	75	22	P B
8	" PACKED (JOINT)		1 935	125	75	S B
15	LATERAL (TOP)		2 210	150	115	L A
15	" (BOTTOM)		2 210	75	75	L B
4	PACKING TOP LATERAL		405	125	16	P D
4	PACKING BOTTOM LATERAL		350	75	16	P E
4	PACKING FOR T & B LATERAL GUSSETS		518	95	16	P F
12	X-FRAME HORIZONTAL (T & B)		1 525	125	75	H
12	X-FRAME DIAGONAL		1 970	125	75	D
4	LATERAL GUSSETS (T & B)		320	260	10	G A
2	LATERAL GUSSETS (TOP)		410	260	10	G B
10	"	"	620	260	10	G C
"	"	"	730	260	10	G D
8	"	" (TOP & BOTTOM)	320	260	10	G E
2	"	" BOTTOM	420	260	10	G F
10	"	"	640	260	10	G G
4	LATERAL GUSSETS BOTTOM		730	260	10	G H
24	X-FRAME GUSSETS		440	430	10	G J
6	"	" (CENTRE)	245	245	10	G K
4	BED PLATES		550	430	66	R A
16	ANCHOR BOLTS		420	280A		
	HOOK BOLTS (★)			220A		

Ⓢ IF FORMING PART OF CONTRACT.

* NEW MEMBERS FOR MODIFICATION.

THIS SHIPPING LIST SHOWN IS FOR SINGLE SPAN ONLY

NOTE

I.R.S. 81-62

NIL

SPECIFICATION

SCALE

ALT.	DESCRIPTION
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DATE

R. D. S. O.

MODIFICATION TO MGML GIRDER TO DRG NO BA-11025
FOR RUNNING OF SINGLE/DOUBLE WDM₂
WITH BOXN WAGONS UP TO 100 KM/PH
24.4 m CLEAR SPAN
PART LIST AND SHIPPING LIST

22 - 5 - 1992

RDS0/B-1642/3

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T.R. Howard, Jr.
ADE/B&S/SS-2

JDS/B&S/SB-II

Approved by DS/B&S on 13/7/92
vide n/p 100 File CBS/DPG/1.

vide n/p 100 File CBS/DPG/1